

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A hand-held music player for use in conjunction with radios, comprising:

a casing;

a mini-jack socket on said casing to play music into a headphone;

a first transfer socket on said casing, distinct from the mini-jack socket, through which an analog song is transferred to an external radio transmitter;

a second transfer socket on said casing, distinct from the mini-jack socket and the first transfer socket, through which a digital song and meta-data for the song are received from a digital music library, and through which the digital meta-data for the song is transferred to the radio transmitter; and

~~a dial on said casing for selecting a song for playback~~

circuitry to process the digital song and meta-data received by said second transfer socket from the digital music library, to generate the analog song transferred by said first transfer socket to the radio transmitter, to generate the meta-data transferred by said second transfer socket to the radio transmitter, and to generate the music played by said mini-jack socket into the headphone.

2-3. (Canceled)

4. (Currently amended) The hand-held music player of claim 1 further comprising an LED display to display the meta-data transferred by said second transfer socket to the radio transmitter.

5. (Currently amended) The hand-held music player of claim 1 further comprising an LCD display to display the meta-data transferred by said second transfer socket to the radio transmitter.

6. (Previously presented) The hand-held music player of claim 1 wherein the second transfer socket comprises a USB socket.

7. (Original) The hand-held music player of claim 6 wherein said USB socket is a USB 1.1 socket.

8. (Original) The hand-held music player of claim 6 wherein said USB socket is a USB 2.0 socket.

9. (Original) The hand-held music player of claim 6 wherein said USB socket is a USB 2.0 OTG socket.

10. (Original) The hand-held music player of claim 1 wherein the radio transmitter is an FM or an RF transmitter.

11. (Currently amended) The hand-held music player of claim 10 wherein the radio transmitter ~~further~~ comprises a radio data system (RDS) transmitter.

12. (Currently amended) The hand-held music player of claim 11 wherein the meta-data ~~for the song is transferred through said second transfer socket to the radio transmitter, for transmission is transmitted~~ by the radio transmitter as RDS data.

13. (Currently amended) The hand-held music player of claim 12 wherein the meta-data transferred by the second transfer socket to the radio transmitter includes the name of the analog song transferred by the first transfer socket to the radio transmitter currently being transmitted.

14. (Currently amended) The hand-held music player of claim ~~[[11]]~~ 12 wherein the meta-data transferred by the second transfer socket to the radio transmitter includes information about the hand-held digital music player ~~is transferred through said second transfer socket to the radio transmitter, for transmission by the radio transmitter as RDS data.~~

15. (Currently amended) The hand-held music player of claim 14 wherein the information about the hand-held digital music player includes a name and an identification number.

16. (Currently amended) The hand-held music player of claim 10 further comprising a frequency selector, for selecting a broadcast frequency for transmission by the radio transmitter.

17. (Original) The hand-held music player of claim 16 wherein said frequency selector comprises a tuner for scanning radio frequencies.

18. (Canceled)

19. (Withdrawn) A hand-held video player for use in conjunction with televisions, comprising:

- a casing;

- a receiver socket on said casing through which digital video data is received;

- a digital-to-analog video converter housed within said casing;

- a first transfer socket on said casing through which a video is transferred to a television transmitter;

- a second transfer socket on said casing through which meta-data for the video is transferred to the television transmitter; and

- a dial on said casing for selecting a video for playback.

20. (Withdrawn) A hand-held video player for use in conjunction with televisions, comprising:

- a casing;

a receiver socket on said casing through which digital video data is received;
a digital-to-analog video converter housed within said casing;
a television transmitter for transmitting a video and meta-data for the video;
and
a dial on said casing for selecting a video for playback.

21-26. (Canceled)

27. (Withdrawn) A hand-held container for video with associated meta-data,
comprising:

a casing;
a memory housed within said casing storing digital video with associated
meta-data;
a digital-to-analog video converter housed within said casing; and
a transfer socket on said casing through which a video and meta-data
associated therewith is transferred to a television.

28. (Withdrawn) A digital music library builder comprising:

a casing;
a receiver socket on said casing through which analog audio is received;
an analog-to-digital converter housed within said casing for converting analog
audio into digital audio;

a meta-data identifier housed within said casing for identifying meta-data for a song; and

a database manager housed within said casing for associating the identified meta-data with the song, within a digital music library.

29. (Withdrawn) The digital music library builder of claim 28 wherein said meta-data identifier matches the song within a database of song meta-data.

30. (Withdrawn) The digital music library builder of claim 29 wherein said meta-data identifier uses a digital fingerprint of the song to key into the database of song meta-data.

31. (Withdrawn) The digital music library builder of claim 28 further comprising a song database builder for building a database of song meta-data indexed by digital fingerprints of songs.

32. (Withdrawn) The digital music library builder of claim 28 wherein said meta-data identifier accepts manually entered input.

33. (Withdrawn) The digital music library builder of claim 28 wherein said meta-data identifier extracts meta-data from voice input.

34. (Withdrawn) The digital music library builder of claim 28 wherein said meta-

data identifier extracts meta-data from video input.

35. (Withdrawn) The digital music library builder of claim 28 wherein said meta-data identifier extracts meta-data from at least one Internet web page.

36. (Withdrawn) The digital music library builder of claim 28 wherein said meta-data identifier extracts meta-data from an electronic music guide.

37-41. (Canceled)

42. (Withdrawn) A method for building a digital music library builder comprising:
receiving analog audio;
converting the analog audio to digital audio;
identifying meta-data for a song; and
associating the identified meta-data with the song, within a digital music library.

43. (Withdrawn) The method of claim 42 wherein said identifying matches the song within a database of song meta-data.

44. (Withdrawn) The method of claim 43 wherein said identifying uses a digital fingerprint of the song to key into the database of song meta-data.

45. (Withdrawn) The method of claim 42 further comprising building a database of song meta-data indexed by digital fingerprints of songs.

46. (Withdrawn) The method of claim 42 wherein said identifying uses manually entered input.

47. (Withdrawn) The method of claim 42 wherein said identifying extracts meta-data from voice input.

48. (Withdrawn) The method of claim 42 wherein said identifying extracts meta-data from video input.

49. (Withdrawn) The method of claim 42 wherein said identifying extracts meta-data from at least one Internet web page.

50. (Withdrawn) The method of claim 42 wherein said identifying extracts meta-data from an electronic music guide.

51. (Canceled)

52. (Withdrawn) A computer-readable storage medium storing program code for causing a device to perform the steps of:

receiving analog audio;

converting the analog audio to digital audio;
identifying meta-data for a song; and
associating the identified meta-data with the song, within a digital music library.

53. (Currently amended) A device for transferring audio to a radio transmitter, comprising:

an audio connector socket through which an analog song is transferred to an external FM radio transmitter, for broadcast at a specific FM frequency;

a mini-jack socket, distinct from the audio connector socket, to play music into a headphone; and

a USB socket, distinct from the audio connector socket and from the mini-jack socket, through which a digital song and meta-data for the digital song is received from a digital music library, and through which digital meta-data for the song is transferred to a radio data system (RDS), which is a sub-carrier of the specific FM frequency; and

circuitry to process the digital song and meta-data received by said USB socket from the digital music library, to generate the analog song transferred by said audio connector socket to the FM radio transmitter, to generate the meta-data transferred by said USB socket to the RDS, and to generate the music played by said mini-jack socket into the headphone.

54-55. (Canceled)

56. (New) The hand-held music player of claim 1 wherein said second transfer socket receives a digital song and meta-data for the song from a music kiosk and transfers the received digital song and meta-data to the digital music library, and wherein said circuitry processes the digital song and meta-data received by said second transfer socket from the music kiosk, to generate the analog song transferred by said first transfer socket to the external radio transmitter, to generate the meta-data transferred by said second transfer socket to the radio transmitter, and to generate the music played by said mini-jack socket into the headphone.

57. (New) The device of claim 53 wherein said USB transfer socket receives a digital song and meta-data for the song from a music kiosk and transfers the received digital song and meta-data to the digital music library, and wherein said circuitry processes the digital song and meta-data received by said USB transfer socket from the music kiosk, to generate the analog song transferred by said audio connector socket to the FM radio transmitter, to generate the meta-data transferred by said USB socket to the RDS, and to generate the music played by said mini-jack socket into the headphone.